Yorkshire Dales National Park

Forecast valid from 00:00 on Tuesday 23 Mar 2021 until 23:59 on Wednesday 24 Mar 2021

Forecast Issued on Monday 22 Mar 2021 at 12:23

Confidence: High confidence in a change of weather type later in the week back to cold wintery conditions on the hills. Also high confidence for strong winds or gales throughout the forecast. Lower confidence for cloud amounts on Tuesday and Wednesday.

Headline for Tuesday 23 Mar 2021: Becoming windy with gales in the afternoon, cloudy with some drizzle or light rain.

Mountain weather hazards on Tuesday 23 Mar 2021

Blizzards No Likelihood	**Heavy Snow** No Likelihood	**Storm force winds** No Likelihood
Gales No Likelihood	**Severe chill effect** Low Likelihood	**Poor visibility** Low Likelihood
Thunderstorms No Likelihood	**Heavy persistent rain** No Likelihood	**Strong sunlight** No Likelihood

Weather and chance of precipitation at 600m							
Time							
00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00
Cloudy	Cloudy	Cloudy	Sunny intervals	Cloudy	Dull	Cloudy	Cloudy
Precipitation probability							
10%	10%	10%	10%	30%	30%	10%	10%

Forecast for Tuesday 23 Mar 2021

Weather: Mainly cloudy overnight but generally dry. A cloudy day with a few outbreaks of drizzle where the cloud thickens in the west of the Yorkshire Dales, best conditions to be found in the east where there may be a few bright or sunny spells. Some rain is expected later in the evening.

Chance of cloud free mountain/hill tops above 600m: 30%, perhaps 50% further northeast in the Dales.

Visibility: With a lot of low cloud around visibility will be quite poor at times higher on the Yorkshire Dales. In the west cloud bases will be broken or overcast around 5-600m, in the northeast cloud will be more scattered with a base around 600m and a few more breaks for the tops during the day. In drizzle, visibility will be poor for a time and good navigation aids may be required.

Forecast for Tuesday 23 Mar 2021

Height (m)	Wind Speed mean/gusts (mph)					Wind Direction (blowing from)			
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	11/16 SW	12/18 SW	15/22 SW	19/28 SW	23/34 SW	25/40 SW	24/42 SW	22/33 SW	19/29 SW
300	6/13 SW	7/15 SW	9/19 SW	12/24 SW	15/29 SW	17/33 SW	14/31 SW	15/31 SW	14/28 SW
Valley	4/12 SW	6/15 S	7/16 S	11/22 SW	13/27 SW	14/29 SW	12/27 SW	14/30 SW	11/24 SW

Height (m)	Temperature / Feels Like (°C)								
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	2/-2	2/-3	1/-4	2/-4	3/-3	4/-2	4/-2	4/-2	4/-1
300	4/2	4/2	4/0	5/1	6/2	7/2	6/3	6/2	6/2
Valley	6/4	5/3	5/2	6/3	8/4	8/5	8/5	8/4	7/4
Freezing Level*	900m	900m	800m	800m	900m	1000m	1100m	1400m	1300m

**Level above which ground is expected to be frozen/snow is expected to settle.*

Meteorologist's View

A significant wind chill as winds strengthen during the morning. Freezing level mainly above the summits.

Recent rainfall: measured at Malham: altitude 375m

Recorded at	Last 24 hours:	Last 48 hours:	Last 72 hours:
15:00 on Mon 22 Mar 2021	0mm	0mm	0mm

Forecast for Wednesday 24 Mar 2021

Weather: Generally a bright and breezy day but feeling cooler. Some sunny intervals are likely but cloudy at times too and a few showers are possible.

Maximum wind: Southwesterly 20mph with gusts 30mph.

Chance of cloud free mountain/hill tops above 600m: 80-90% most cloud will be well above the summits.

Visibility: Generally very good visibility with far reaching views but there will be patches of low cloud at times around 600m and more so around any showers that may form over the tops, when the overall visibility may dip to moderate or poor for a time.

Temperature: **Valleys:** Plus 4 rising to 9 Celsius.
At 600m: Plus 3 Celsius.
Freezing level: 800m